SEQUENCE LISTING

<110> Ben-Sasson, Shmuel A.

<120> Short Peptides Which Selectively
Modulate the Activity of Protein Kinases

<130> 1242.1029-000 (CMCC-679)

<140> US 09/161,094
<141> 1998-09-25

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Glu Gln Leu
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Gly Pro Leu
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Asp Ile Phe Gly Leu Asn Pro Ala
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Ala Glu Leu Tyr Ser Asn Ala Leu
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Lys Lys Glu Lys Met Glu Pro Gly
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Lys Asn Lys Ile
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Met Glu Leu Met Asp Ala Asn Leu Cys Gln Val Ile Gln Met Glu Leu
1 5 10 15

<210> 95
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)
<223>

<221> AMIDATION
<222> (0)...(20)

<223> Akt1/Raca

<400> 95
Gly Met Glu Tyr Ala Asn Gly Gly Glu Leu Phe Phe His Leu Ser Arg
1 5 10 15
Glu Arg Val Phe
20

<210> 96
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(19)

<223> Alk1

<400> 96
Gly Thr His Tyr His Glu His Gly Ser Leu Tyr Asp Phe Leu Gln Arg
1 5 10 15

Gln Thr Leu

<210> 97
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> Braf

<400> 97
Lys Lys Lys Lys Lys Lys Gly Gly Ser Ser Leu Tyr His His Leu His
1 5 10 15
Ile Ile Glu Thr Lys Phe
20

<210> 98
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> Braf

<400> 98
Gly Thr Gln Trp Ser Glu Gly Ser Ser Leu Tyr His His Leu His Ile
1 5 10 15
Ile Glu Thr Lys Phe
20

<210> 99
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> c-Ab1

<400> 99
Gly Thr Glu Phe Met Thr Tyr Gly Asn Leu Leu Asp Tyr Leu Arg Glu
1 5 10 15
Cys Asn Arg Gln Glu Val
20

<210> 100
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)
<223>

<223> c-Met

<400> 100
Gly Leu Pro Tyr Met Lys His Gly Asp Leu Arg Asn Phe Ile Arg Asn
1 5 10 15
Glu Thr His Asn Pro
20

<210> 101
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> c-Raf

<400> 101
Gly Thr Gln Trp Ser Glu Gly Ser Ser Leu Tyr Lys His Leu His Val
1 5 10 15
Gln Glu Thr Lys Phe
20

<210> 102
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<223> benzyl ester at position 11

<221> AMIDATION
<222> (0)...(14)

<223> c-Raf

<400> 102
Ser Ser Leu Tyr Lys His Leu His Val Gln Glu Thr Lys Phe
 1   5   10

<210> 103
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> c-Sea

<400> 103
Gly Leu Pro Tyr Met Arg His Gly Asp Leu Arg His Phe Ile Arg Ala
 1   5   10   15
Gln Glu Arg Ser Pro
            20

<210> 104
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> c-Src

<400> 104
Gly Thr Glu Tyr Met Ser Lys Gly Ser Leu Leu Asp Phe Leu Lys Gly
 1   5   10   15
Glu Thr Gly Lys Tyr Leu
            20

<210> 105
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)
<223> benzyl ester at position 5
benzyl ester at position 9

<221> AMIDATION
<222> (0)...(14)

<223> c-Src

<400> 105
Gly Ser Leu Leu Asp Leu Lys Gly Glu Thr Gly Lys Phe Leu
1 5 10

<210> 106
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)
<223>

<223> CDK2

<400> 106
Gly Phe Glu Phe Leu His Gln Asp Leu Lys Lys Phe Met Asp Ala Ser
1 5 10 15
Ala Leu Thr Gly Ile
20

<210> 107
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)
<223> benzyl ester at position 1
benzyl ester at position 7

<221> AMIDATION
<222> (0)...(14)
<223>

<223> CDK2

<400> 107

Asp Leu Lys Lys Phe Met Asp Ala Ser Ala Leu Thr Gly Met
1 5 10

<210> 108
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)
<223> benzyl ester at position 1
benzyl ester at position 7

<221> AMIDATION
<222> (0)...(14)

<223> CDK4

<400> 108
Asp Leu Arg Thr Tyr Leu Asp Lys Ala Pro Pro Pro Gly Leu
1 5 10

<210> 109
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> CDK4

<400> 109
Gly Phe Glu His Val Asp Gln Asp Leu Arg Thr Tyr Leu Asp Lys Ala
1 5 10 15
Pro Pro Pro Gly Leu
20

<210> 110
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> CDK6

<400> 110
Gly Phe Glu His Val Asp Gln Asp Leu Thr Thr Tyr Leu Asp Lys Val
1 5 10 15
Pro Glu Pro Gly Val
20

<210> 111
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(19)

<223> Chk1

<400> 111
Gly Glu Tyr Ser Ser Gly Gly Glu Leu Phe Asp Arg Ile Glu Pro Asp
1 5 10 15
Ile Gly Met

<210> 112
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(19)
<223>

<223> Chk1

<400> 112
Gly Glu Tyr Ala Ser Gly Gly Glu Leu Phe Asp Arg Ile Glu Pro Asp
1 5 10 15
Ile Gly Met

<210> 113
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(19)
<223>

<223> CK IIa

<400> 113
Lys Lys Lys Lys Lys Gly Gly Asn Asn Thr Asp Phe Lys Gln Leu Tyr
1 5 10 15
Gln Thr Leu

<210> 114
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(17)

<223> CK IIa

<400> 114
Gly Phe Glu His Val Asn Asn Thr Asp Phe Lys Gln Leu Tyr Gln Thr
1 5 10 15
Leu

<210> 115
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)
<223>

<223> Csk

<400> 115
Gly Thr Glu Tyr Met Ala Lys Gly Ser Leu Val Asp Tyr Leu Arg Ser
1 5 10 15
Arg Gly Arg Ser Val Leu
20

<210> 116

<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)
<223> benzyl ester at position 5

<221> AMIDATION
<222> (0)...(14)

<223> Csk

<400> 116
Gly Ser Leu Val Asp Leu Arg Ser Arg Gly Arg Ser Val Leu
1 5 10

<210> 117
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> Fak

<400> 117
Gly Met Glu Leu Ser Thr Leu Gly Glu Leu Arg Ser Phe Leu Gln Val
1 5 10 15
Arg Lys Tyr Ser Leu
20

<210> 118
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(17)

<223> FGFR-3

<400> 118
Gly Gly Asn Leu Arg Glu Phe Leu Arg Ala Arg Arg Pro Pro Gly Leu
1 5 10 15
Glu

<210> 119
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)
<223> benzyl ester at position 5
benzyl ester at position 16

<221> AMIDATION
<222> (0)...(16)

<223> FGFR-3

<400> 119
Gly Asn Leu Arg Glu Phe Leu Arg Ala Arg Arg Pro Pro Gly Leu Glu
1 5 10 15

<210> 120
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(23)

<223> FGFR-3

<400> 120
Gly Val Glu Tyr Ala Ala Lys Gly Asn Leu Arg Glu Phe Leu Arg Ala
1 5 10 15
Arg Arg Pro Pro Gly Leu Glu
20

<210> 121
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> stearyl at position 1

<221> AMIDATION
<222> (0)...(13)
<223> FGFR-3

<400> 121
Gly Ser Phe Asp Thr Ser Lys Pro Pro Glu Glu Gln Leu
1 5 10

<210> 122
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(23)

<223> Flk1

<400> 122
Gly Val Glu Phe Ser Lys Phe Gly Asn Leu Ser Asn Phe Leu Arg Ala
1 5 10 15
Lys Arg Asn Leu Phe Val Pro
20

<210> 123
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(17)
<223>

<223> Flk1

<400> 123
Gly Gly Asn Leu Ser Asn Phe Leu Arg Ala Lys Arg Asn Leu Phe Val
1 5 10 15
Pro

<210> 124
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(16)

<223> Flk1

<400> 124
Gly Asn Leu Ser Asn Phe Leu Arg Ala Lys Arg Asn Leu Phe Val Pro
1 5 10 15

<210> 125
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> stearyl at position 1

<221> AMIDATION
<222> (0)...(13)
<223> Flk1

<400> 125
Gly Arg Phe Arg Gln Gly Lys Asp Tyr Val Gly Glu Leu
1 5 10

<210> 126
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> GSK3b

<400> 126
Lys Lys Lys Lys Lys Gly Gly Gly Val Ala Arg His Tyr Ser Arg
1 5 10 15
Ala Lys Gln Thr Leu Pro
20

<210> 127
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(13)

<223> GSK3b

<400> 127
Val Ala Arg His Tyr Ser Arg Ala Lys Gln Thr Leu Pro
1 5 10

<210> 128
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> GSK3b

<400> 128

Gly Asp Tyr Val Pro Glu Thr Val Tyr Arg Val Ala Arg His Tyr Ser
1 5 10 15
Arg Ala Lys Gln Thr Leu
20

<210> 129
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(12)

<223> GSK3b

<400> 129
Arg Val Ala Arg His Tyr Ser Arg Ala Lys Gln Thr
1 5 10

<210> 130
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> Hck

<400> 130
Gly Thr Glu Phe Met Ala Lys Gly Ser Leu Leu Asp Phe Leu Lys Ser
1 5 10 15
Asp Glu Gly Ser Lys Gln
20

<210> 131
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION

<222> (0)...(20)

<223> Iak1

<400> 131
Gly Leu Glu Tyr Ala Pro Leu Gly Thr Val Tyr Arg Glu Leu Gln Lys
1 5 10 15
Leu Ser Lys Phe
20

<210> 132
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(23)

<223> IKK-1

<400> 132
Gly Met Glu Tyr Ser Ser Gly Gly Asp Leu Arg Lys Leu Leu Asn Lys
1 5 10 15
Pro Glu Asn Ser Ser Gly Leu
20

<210> 133
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(23)
<223>

<223> IKK-2

<400> 133
Gly Met Glu Tyr Ser Gln Gly Gly Asp Leu Arg Lys Tyr Leu Asn Gln
1 5 10 15
Phe Glu Asn Ser Ser Gly Leu
20

<210> 134
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> ILK

<400> 134
Gly Thr His Trp Met Pro Tyr Gly Ser Leu Tyr Asn Val Leu His Glu
1 5 10 15
Gly Thr Asn Phe Val Val
20

<210> 135
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> stearyl at position 1

<221> AMIDATION
<222> (0)...(13)
<223> ILK

<400> 135
Gly Tyr Asn Val Leu His Glu Gly Thr Asn Phe Val Val
1 5 10

<210> 136
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(19)
<223>

<223> IRK

<400> 136
Gly Met Glu Leu Met Ala His Gly Asp Leu Lys Ser Tyr Leu Arg Ser
 1   5   10   15
Leu Arg Pro

<210> 137
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(12)

<223> IRK

<400> 137
Ala Gln Asn Asn Pro Gly Arg Pro Pro Pro Thr Leu
 1   5   10

<210> 138
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(13)

<223> IRK

<400> 138
Gly Leu Lys Ser Tyr Leu Arg Ser Leu Arg Pro Glu Ala
 1   5   10

<210> 139
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(13)

<223> IRK

<400> 139
Gly Ala Glu Asn Asn Pro Gly Arg Pro Pro Pro Thr Leu
 1   5   10

<210> 140
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(17)

<223> IRK

<400> 140
Gly Leu Arg Pro Glu Ala Glu Asn Asn Pro Gly Arg Pro Pro Pro Thr
 1   5   10   15
Leu

<210> 141
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> Jak1

<400> 141
Gly Met Glu Phe Leu Pro Ser Gly Ser Leu Lys Glu Tyr Leu Pro Lys
 1   5   10   15
Asn Lys Asn Lys Ile
            20

<210> 142
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(13)

<223> Jak1

<400> 142
Gly Leu Lys Glu Tyr Leu Pro Lys Asn Lys Asn Lys Ile
1 5 10

<210> 143
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(13)

<223> Jak2

<400> 143
Gly Leu Arg Asp Tyr Leu Gln Lys His Lys Glu Arg Ile
1 5 10

<210> 144
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> stearyl at position 1

<221> AMIDATION
<222> (0)...(11)
<223> Jak2

<400> 144
Gly Leu Arg Asp Tyr Leu Gln Lys His Lys Glu
1 5 10

<210> 145
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(20)

<223> Jak3

<400> 145
Gly Met Glu Tyr Leu Pro Ser Gly Ser Leu Arg Asp Phe Leu Gln Arg
1 5 10 15
His Arg Ala Leu
20

<210> 146
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> Jak3

<400> 146
Gly Met Glu Tyr Leu Pro Ser Gly Ser Leu Arg Asp Phe Leu Gln Arg
1 5 10 15
His Arg Ala Arg Leu
20

<210> 147
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(13)

<223> Jak3

<400> 147
Gly Leu Arg Asp Phe Leu Gln Arg His Arg Ala Arg Leu
1 5 10

<210> 148
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION

<222> (1)...(0)
<223> benzyl ester at position 5

<221> AMIDATION
<222> (0)...(14)

<223> Lck

<400> 148
Gly Ser Leu Val Asp Leu Lys Thr Pro Ser Gly Ile Lys Leu
 1   5   10

<210> 149
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> Lck

<400> 149
Gly Thr Glu Tyr Met Glu Asn Gly Ser Leu Val Asp Phe Leu Lys Thr
 1   5   10   15
Pro Ser Gly Ile Lys Leu
            20

<210> 150
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> Lyn

<400> 150
Gly Thr Glu Tyr Met Ala Lys Gly Ser Leu Leu Asp Phe Leu Lys Ser
 1   5   10   15
Asp Glu Gly Gly Lys Val
            20

<210> 151
<211> 20
<212> PRT

<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(20)

<223> MARK1

<400> 151
Gly Met Glu Tyr Ala Ser Gly Gly Glu Val Phe Asp Tyr Leu Val Ala
 1   5   10   15
His Gly Arg Met
            20

<210> 152
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)
<223> benzyl ester at position 2
      benzyl ester at position 5

<221> AMIDATION
<222> (0)...(15)

<223> PDGFR-b

<400> 152
Gly Asp Leu Val Asp Tyr Leu His Arg Asn Lys His Thr Phe Leu
 1   5   10   15

<210> 153
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> PDGFR-b

<400> 153
Gly Thr Glu Tyr Ser Arg Tyr Gly Asp Leu Val Asp Tyr Leu His Arg
 1   5   10   15
Asn Lys His Thr Phe Leu
            20

<210> 154
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(20)

<223> PKCb

<400> 154
Gly Met Glu Tyr Val Asn Gly Gly Asp Leu Met Tyr His Ile Gln Gln
1 5 10 15
Val Gly Arg Phe
20

<210> 155
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(20)

<223> PKCb

<400> 155
Lys Lys Lys Lys Lys Lys Gly Gly Asp Leu Met Tyr His Ile Gln Gln
1 5 10 15
Val Gly Arg Phe
20

<210> 156
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)
<223> benzyl ester at position 5

<221> AMIDATION
<222> (0)...(12)

<223> Plk

<400> 156
Arg Ser Leu Leu Glu Leu His Lys Arg Arg Lys Ala

1 5 10

<210> 157
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)
<223> benzyl ester at position 6

<221> AMIDATION
<222> (0)...(13)

<223> Plk

<400> 157
Gly Arg Ser Leu Leu Glu Leu His Lys Arg Arg Lys Ala
1 5 10

<210> 158
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(20)

<223> Plk

<400> 158
Gly Leu Glu Leu Ser Arg Arg Arg Ser Leu Leu Glu Leu His Lys Arg
1 5 10 15
Arg Lys Ala Leu
20

<210> 159
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(22)

<223> Ret

<400> 159

Gly Val Glu Tyr Ala Lys Tyr Gly Ser Leu Arg Gly Phe Leu Arg Glu
1 5 10 15
Ser Arg Lys Val Gly Pro
20

<210> 160
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<221> ACETYLATION
<222> (1)...(0)
<223> benzyl ester at position 9

<221> AMIDATION
<222> (0)...(15)

<223> Ret

<400> 160
Gly Ser Leu Arg Gly Phe Leu Arg Glu Ser Arg Lys Val Gly Pro
1 5 10 15

<210> 161
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

<221> AMIDATION
<222> (0)...(21)

<223> Ron

<400> 161
Gly Leu Pro Tyr Met Cys His Gly Asp Leu Leu Gln Phe Ile Arg Ser
1 5 10 15
Pro Gln Arg Asn Pro
20

<210> 162
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> MYRISTATE
<222> (1)...(0)

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Arg Lys Val Leu
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1 5 10 15
Asn Arg His Val
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<210> 164
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His Val Ile

<210> 165
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<210> 166
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Lys Arg Glu Glu Ile
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<213> Unknown

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Ala Glu Asn Asn Pro
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<210> 172
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<220>
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<400> 172
Lys Phe Asp Val Ile Asn Leu Ala
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